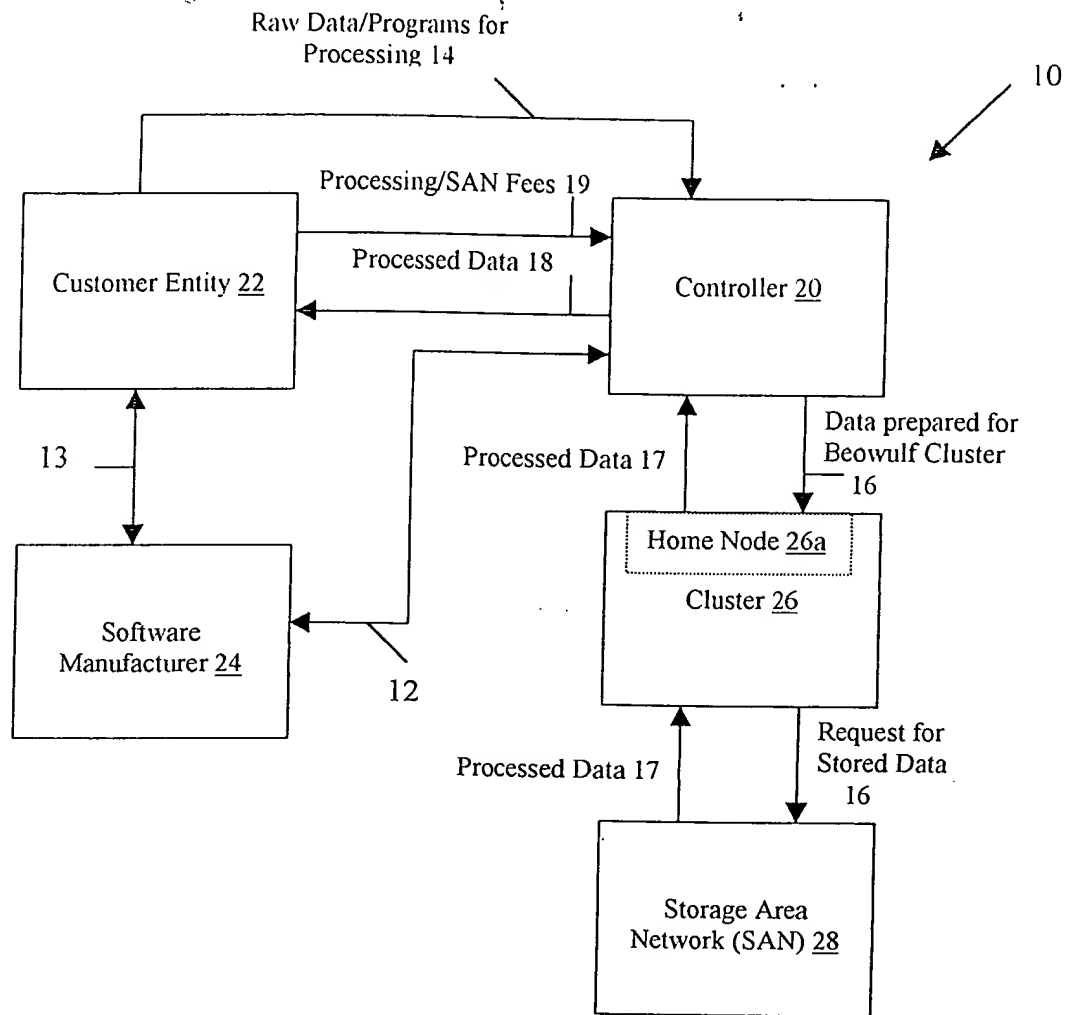
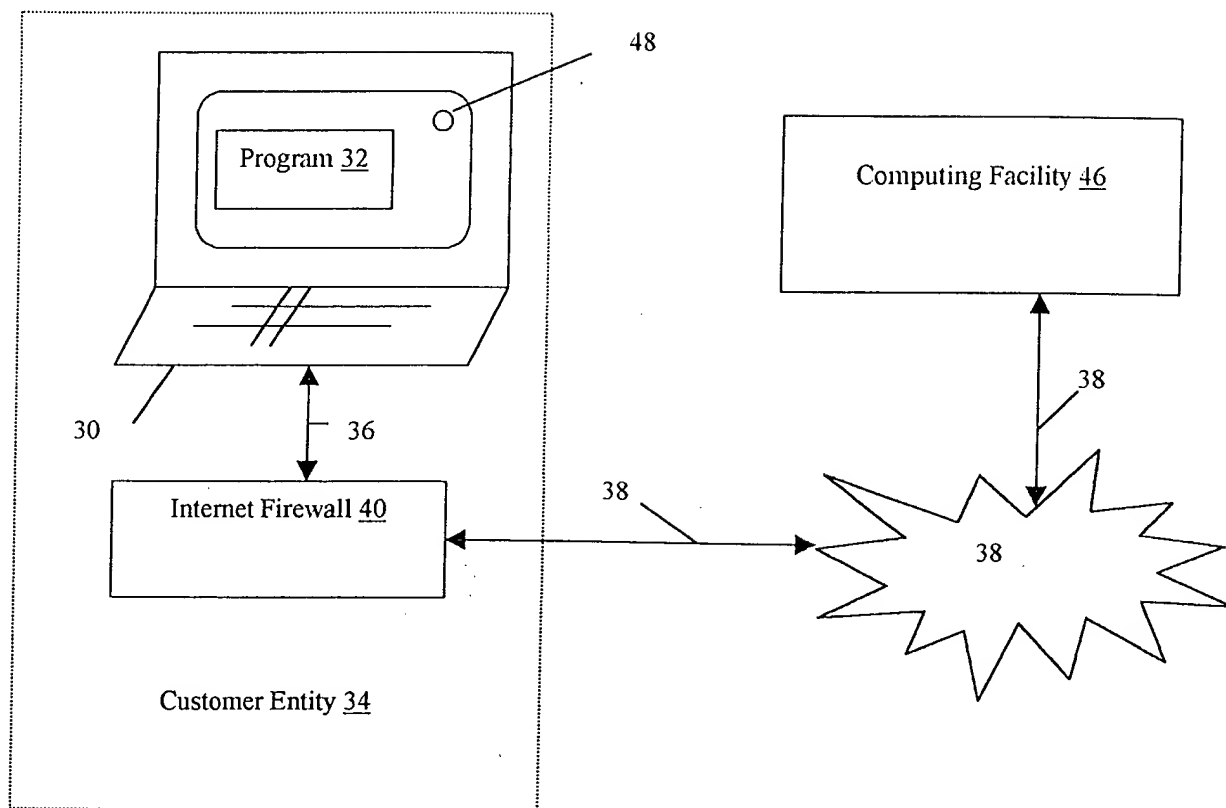


FIG. 1



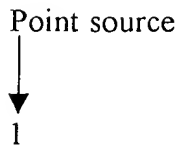
09603020-062600

FIG. 2



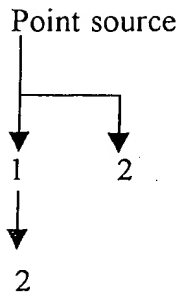
009290" 020E0960

FIG. 3



Level 0 (Howard Cascade, width one)

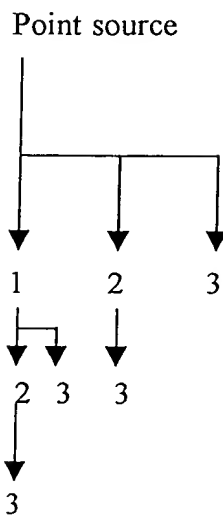
FIG. 3A



Level 0 (Howard Cascade, width two)

Level 1

FIG. 3B



Level 0 (Howard Cascade, width three)

Level 1

Level 2

0090290-02020960

FIG. 4

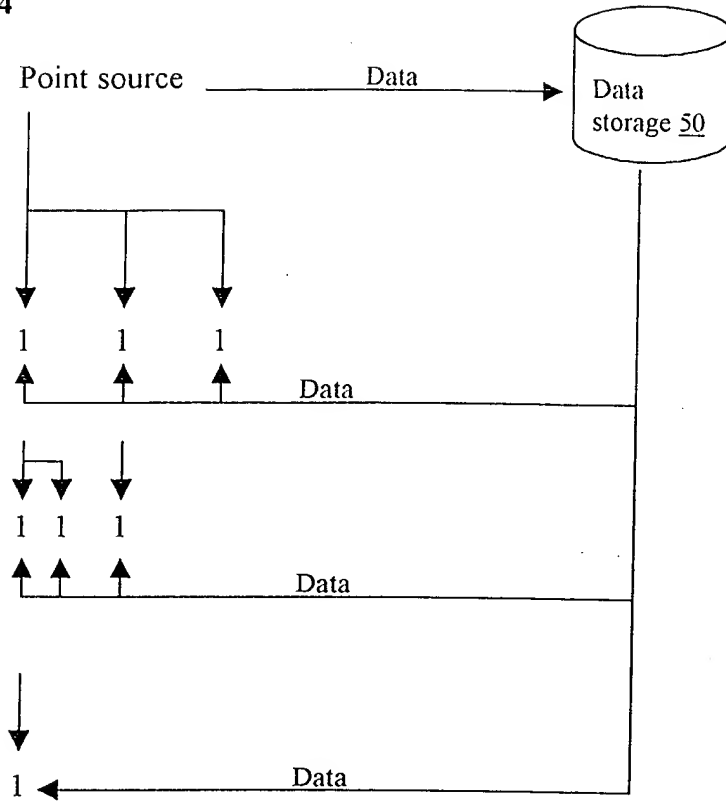


FIG. 4A

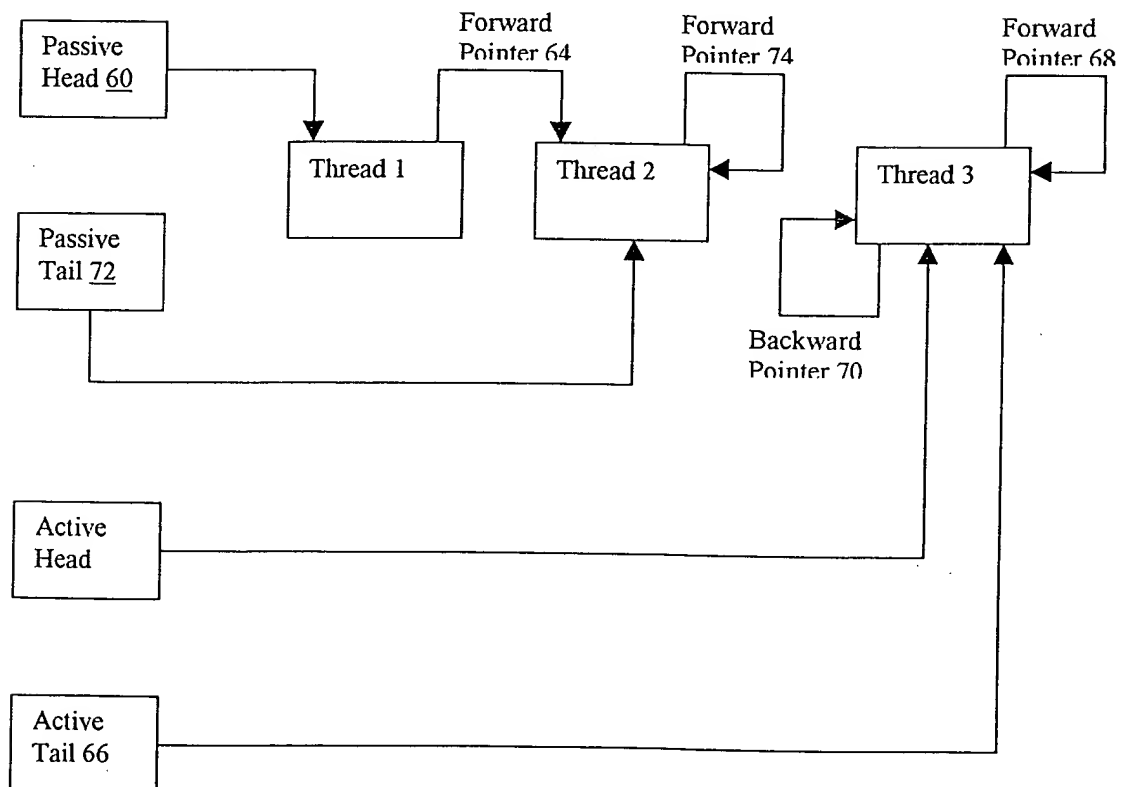
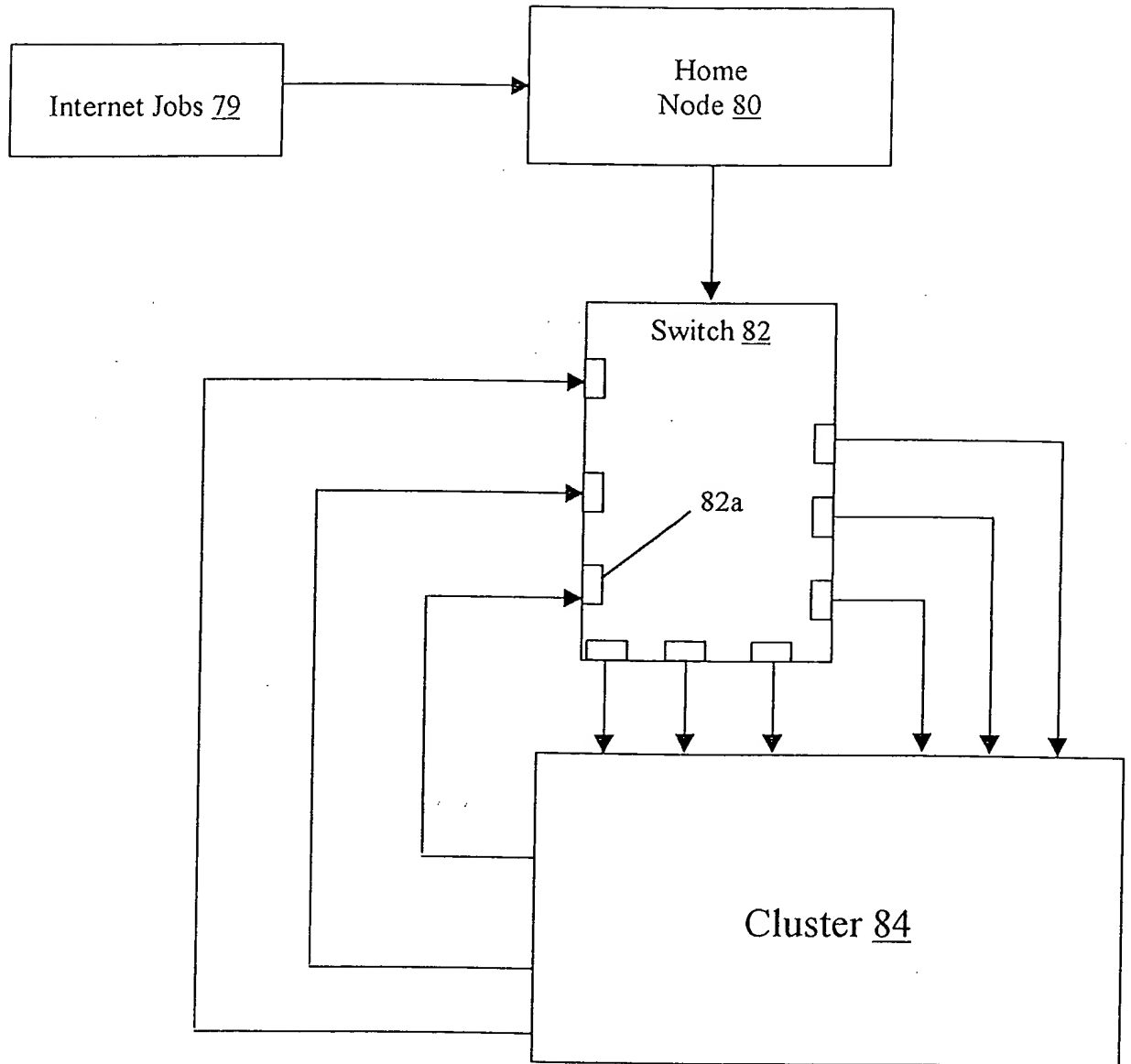


FIG. 4B



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FIG. 5. END USER
COMPUTER

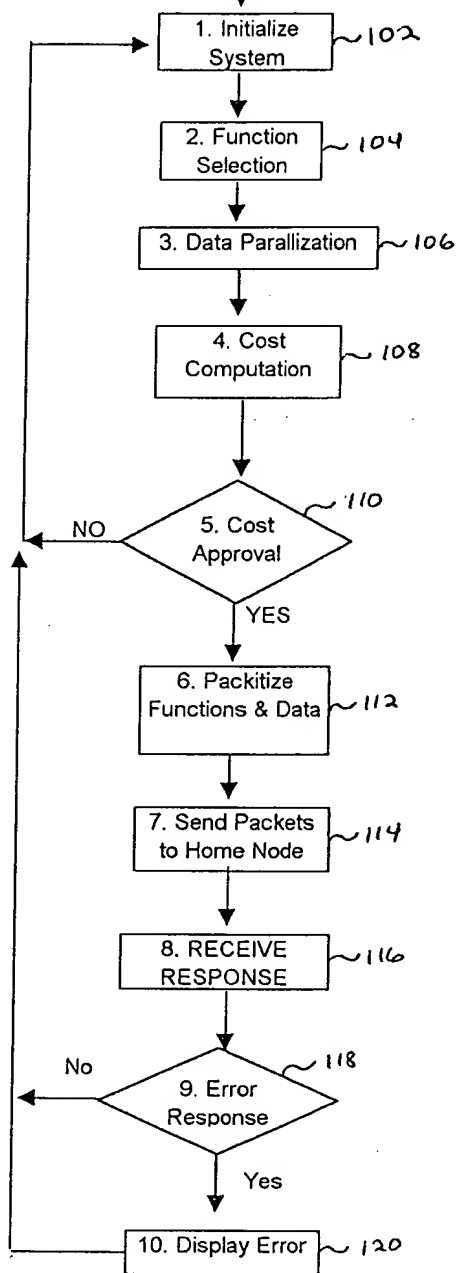


FIG. 5A, Home
Node

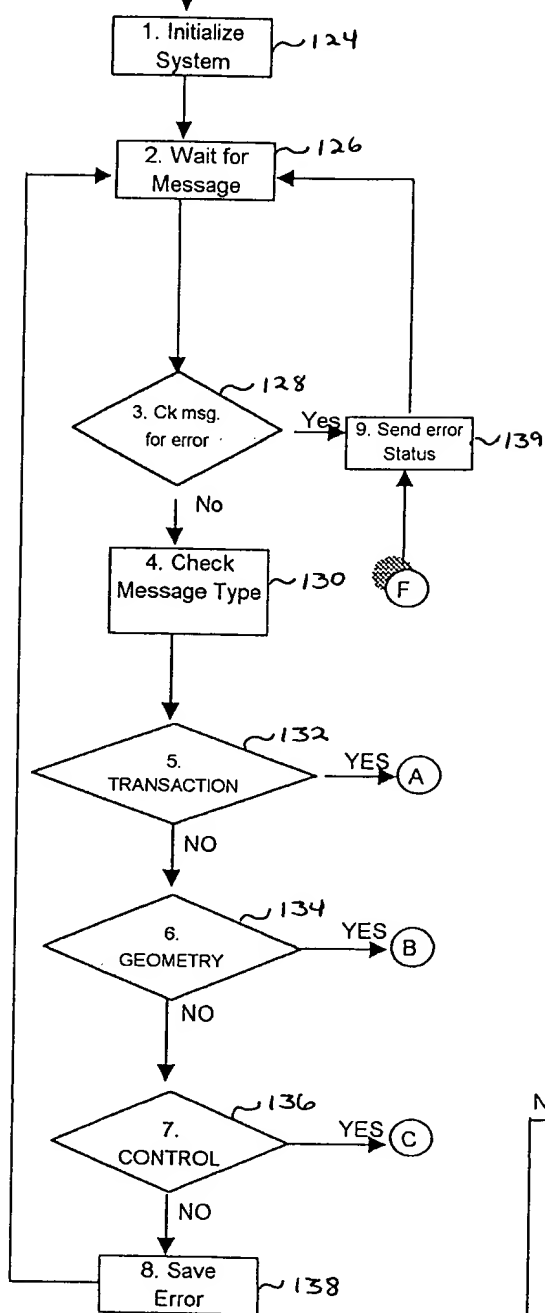
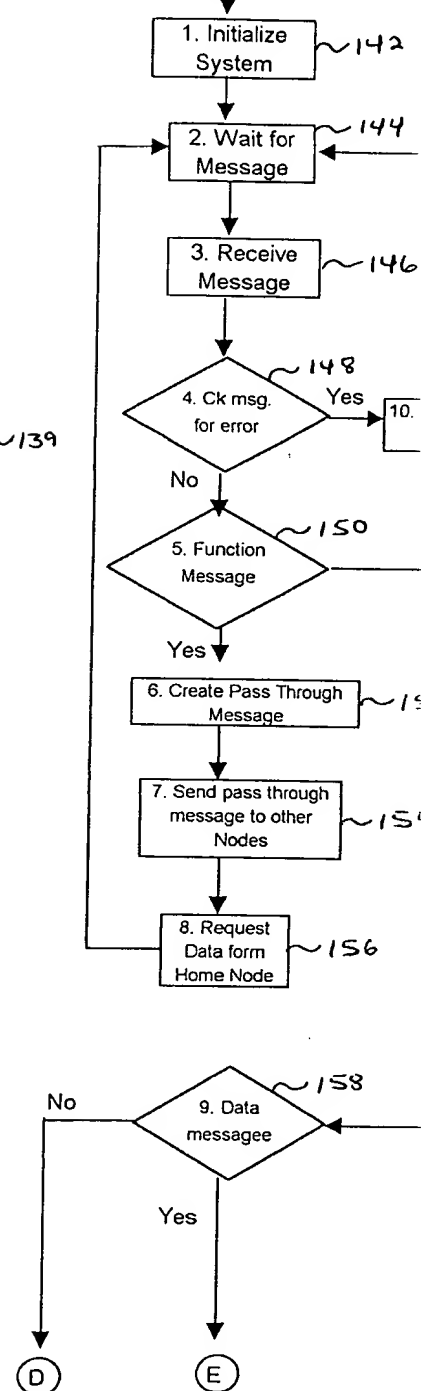


FIG. 5B, CLUSTER

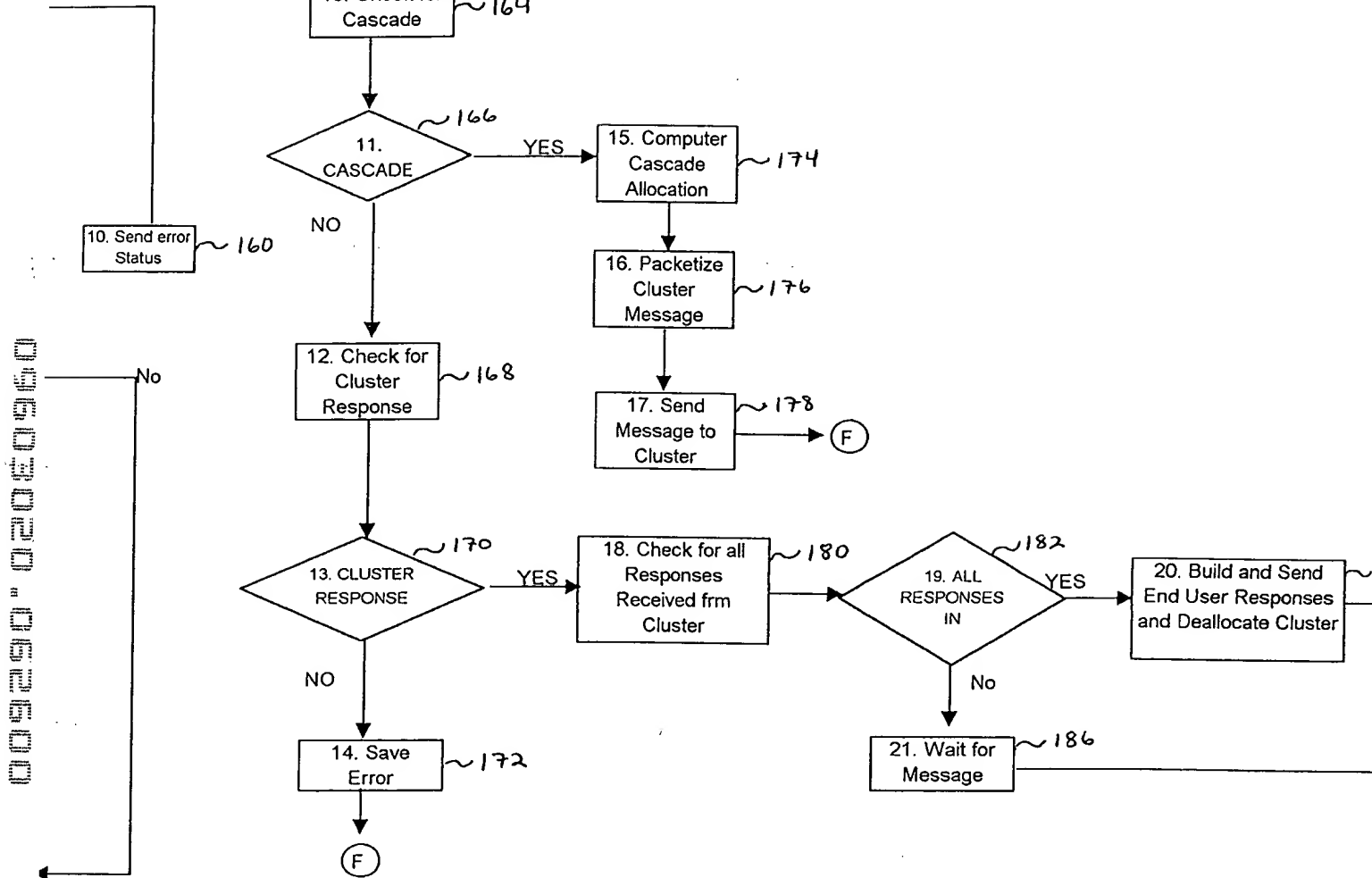


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MASSIVELY PARALLEL COMPUTIN

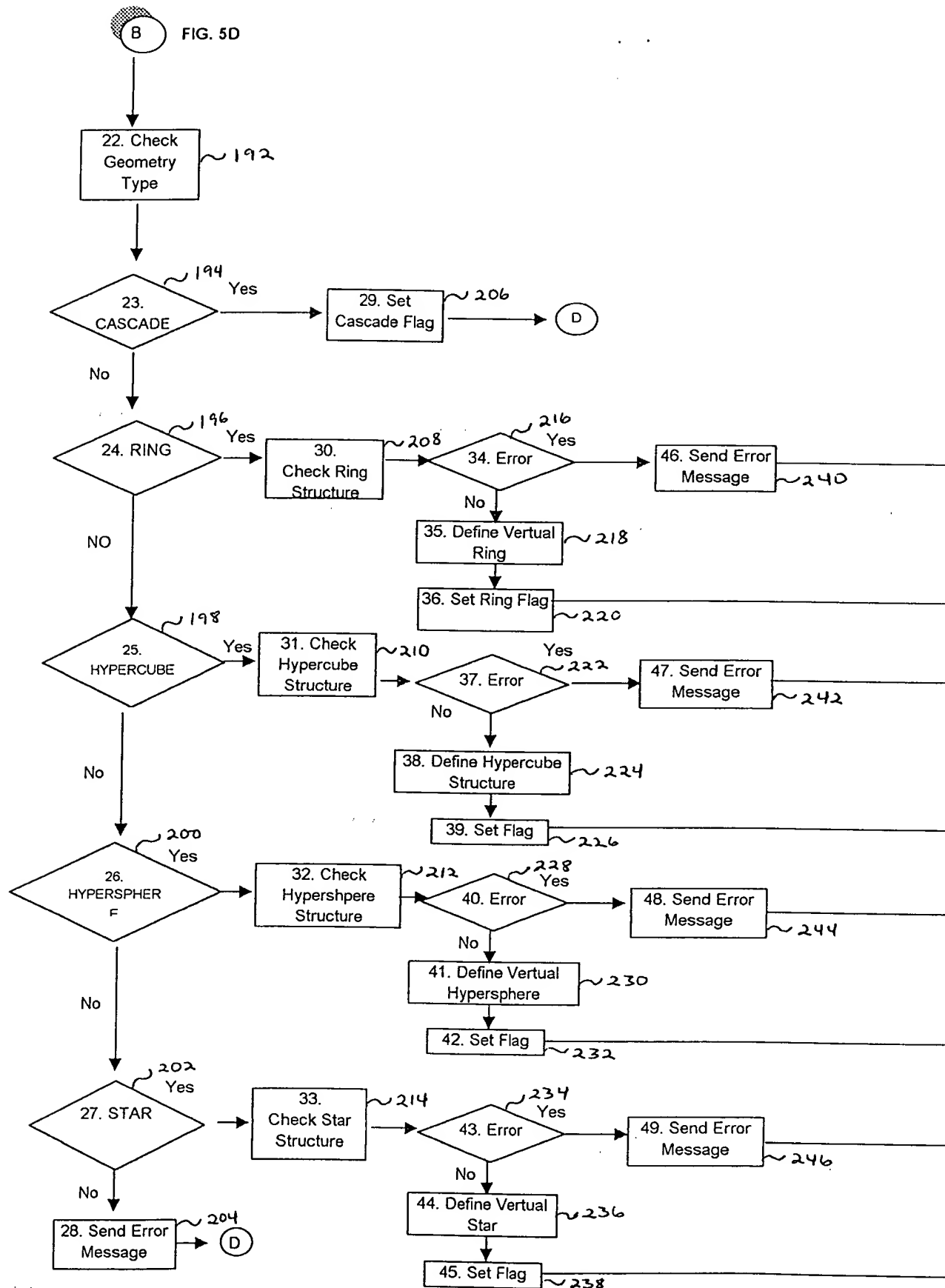
FLOW CHART OF LIBRARY ACTIONS

FIG. 5C



MASSIVELY PARALLEL COMPUTIN

FLOW CHART OF LIBRARY ACTIONS



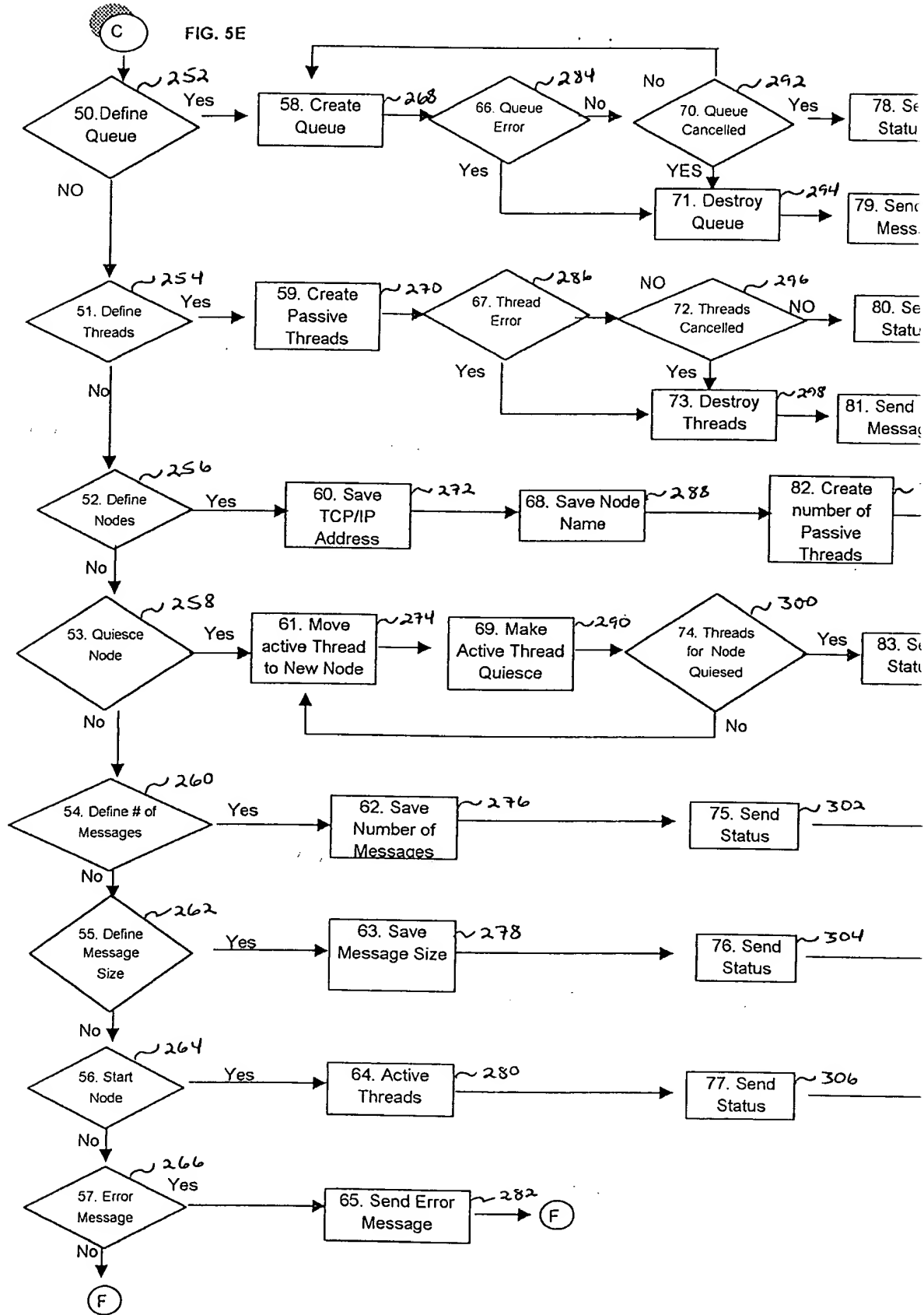
005603020-062600

F

F

FLOW CHART OF LIBRARY ACTIONS

FIG. 5E



MASSIVELY PARALLEL COMPUTI

FLOW CHART OF LIBRARY ACTIONS

FIG. 5F

78. Send Statuses ~308 → (F)

79. Send Error Message ~310 → (F)

80. Send Status ~312 → (F)

81. Send Error Message ~314 → (F)

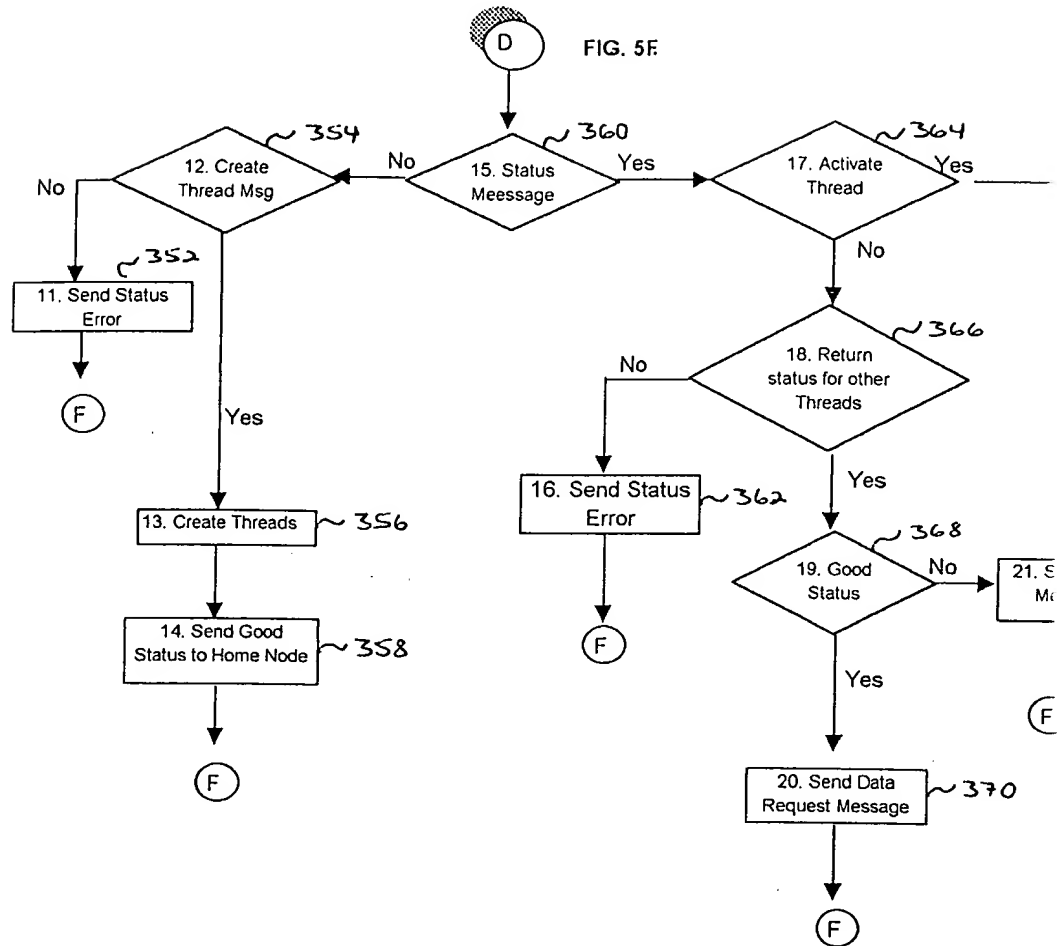
→ (F)

83. Send Status ~318 → (F)

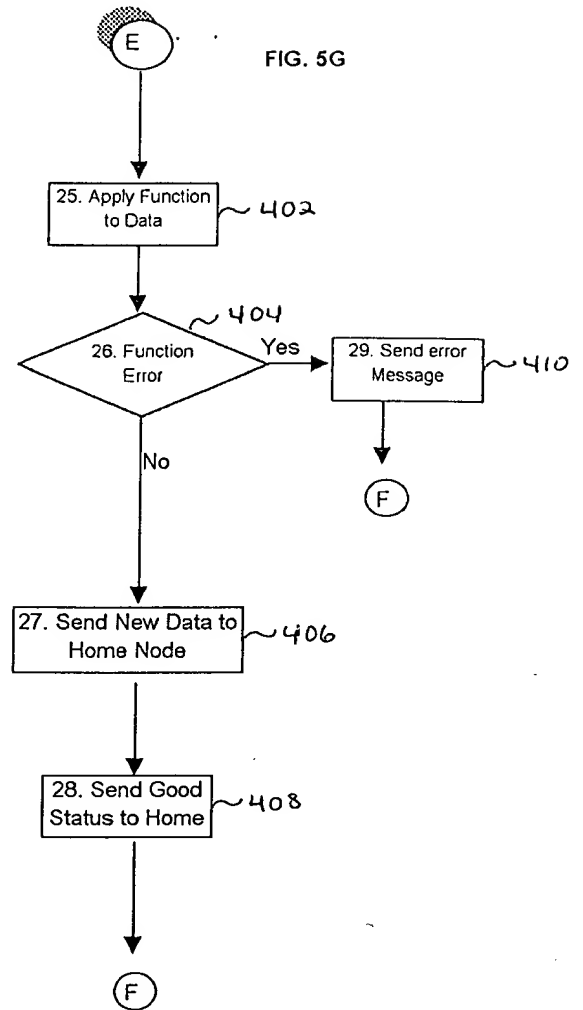
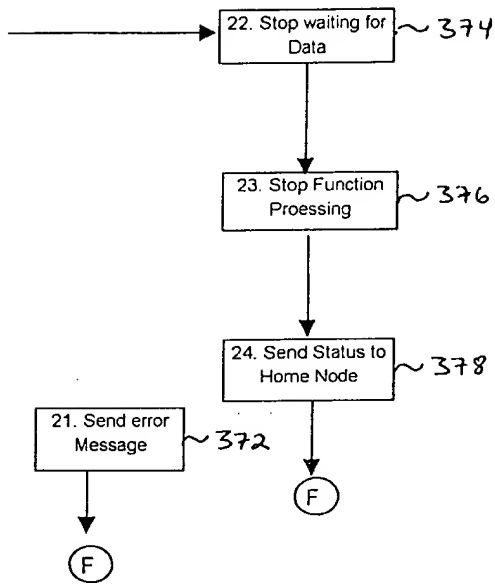
→ (F)

→ (F)

→ (F)



MASSIVELY PARALLEL COMPUTING
FLOW CHART OF LIBRARY ACTIONS



500
↓

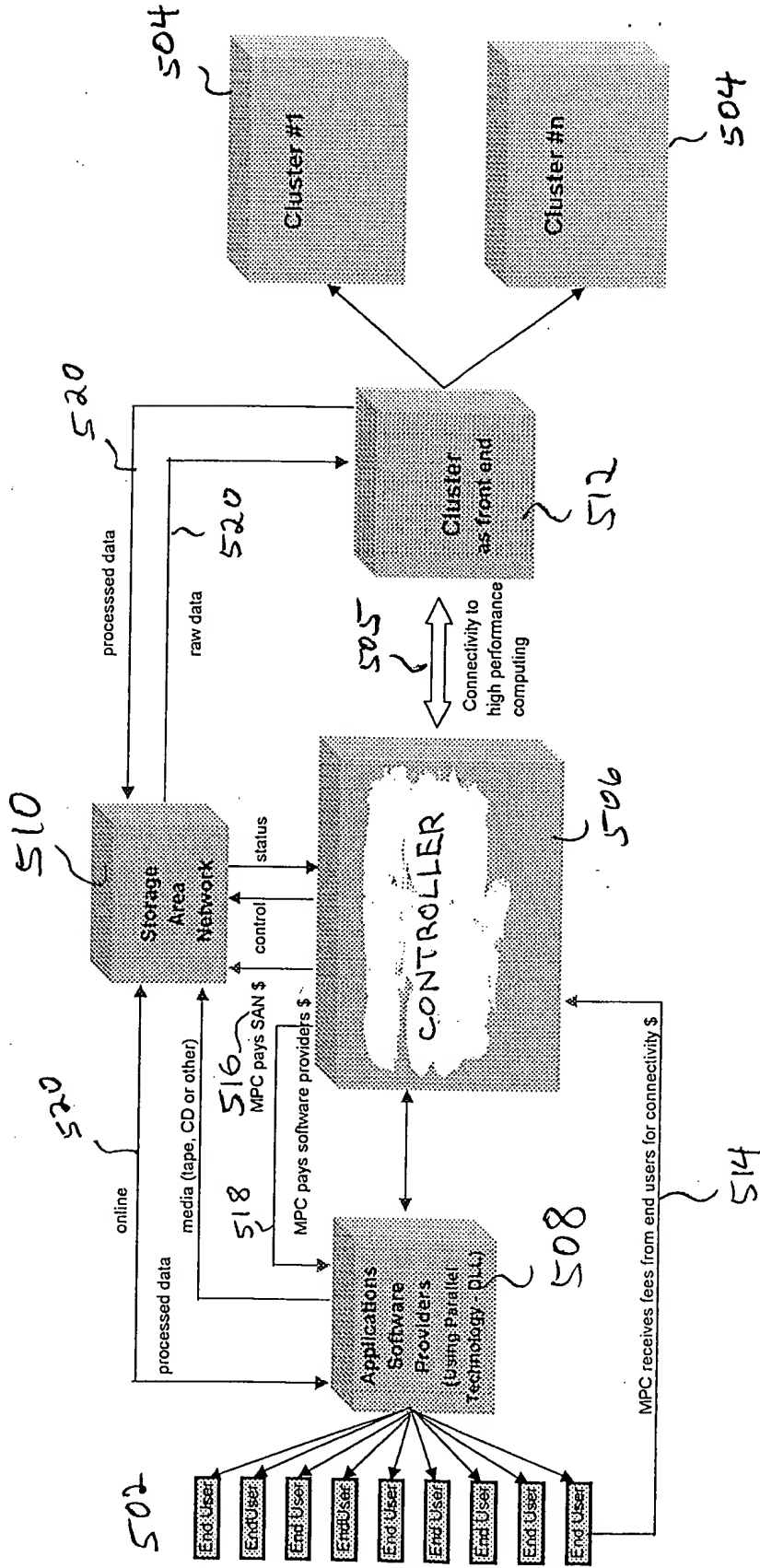


FIG. 6

600

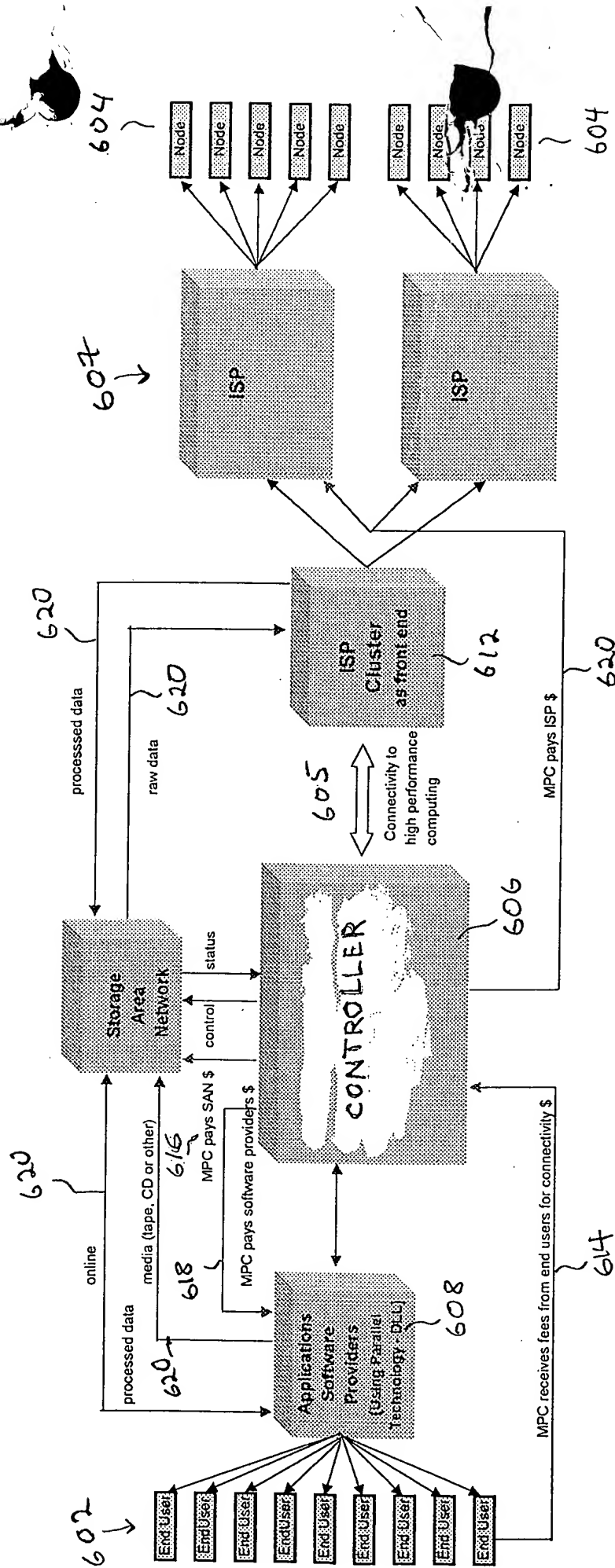


FIG. 6A